

Figure 1

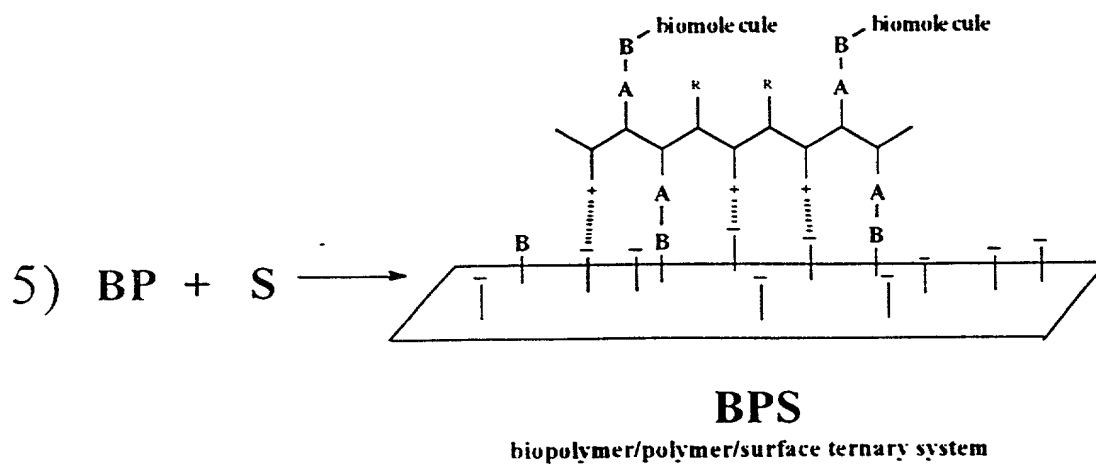
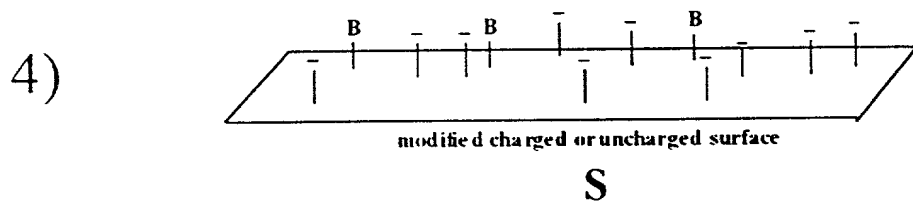
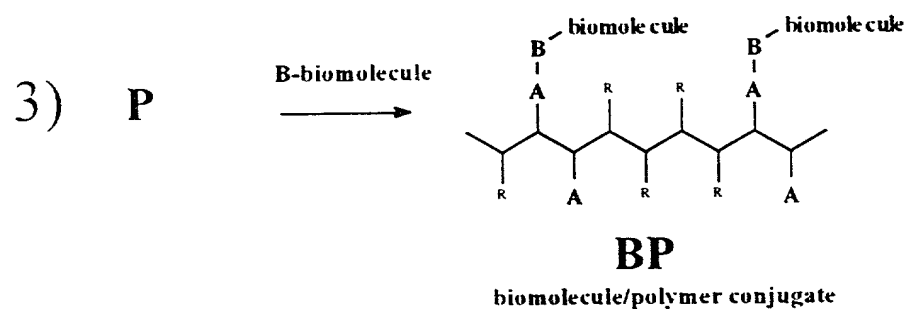
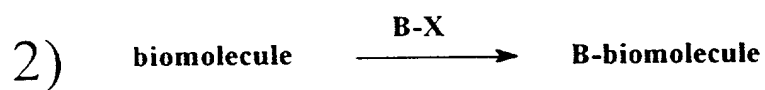
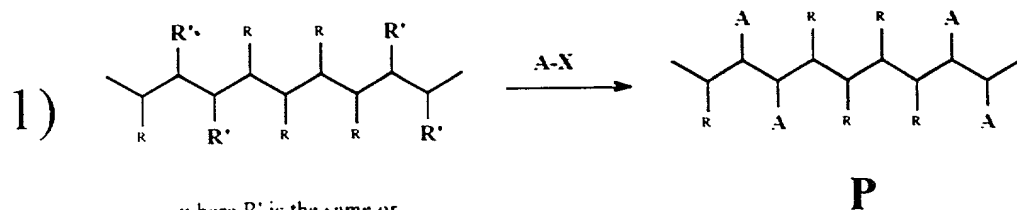


Figure 2

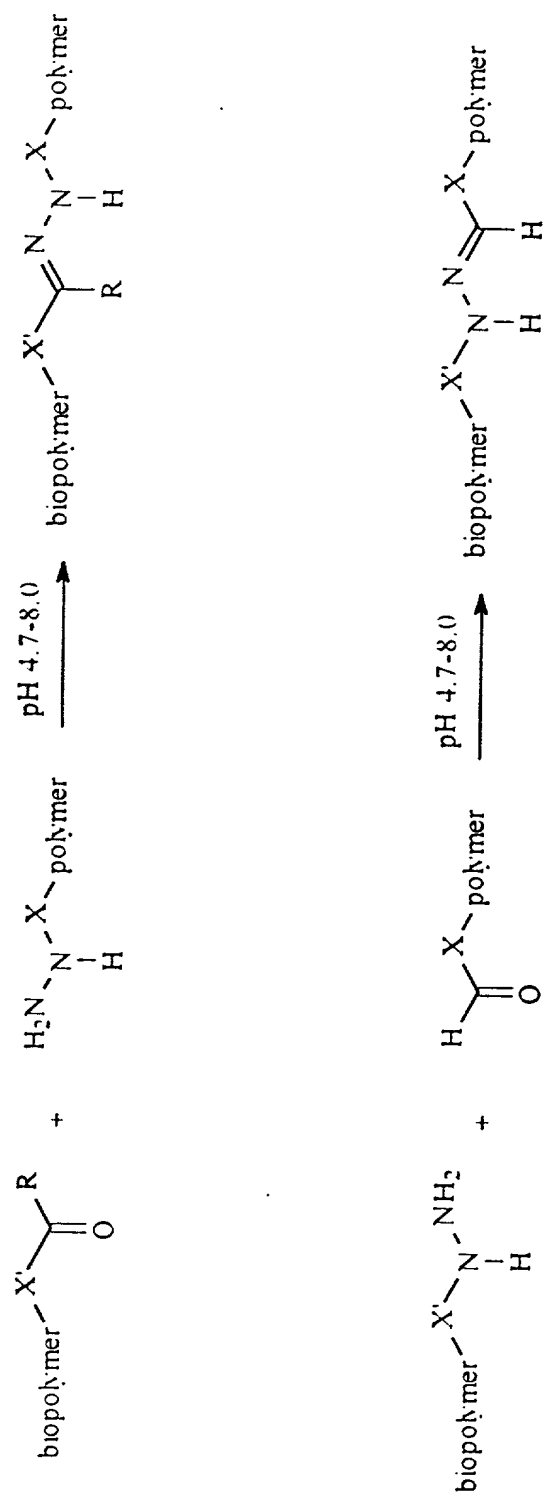
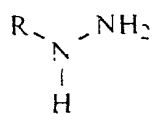
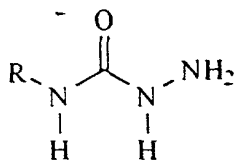


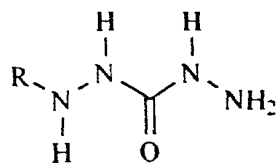
Figure 3



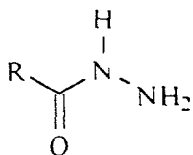
hydrazine



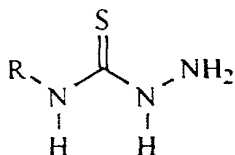
semicarbazide



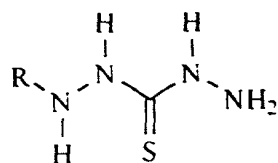
carbazine



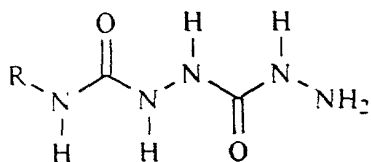
hydrazide



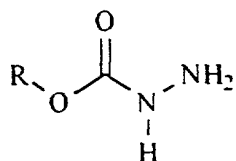
thiosemicarbazide



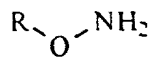
thiocarbazine



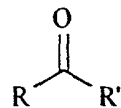
carbonic acid dihydrazine



hydrazine carboxylate



aminoxy



R = alkyl, aromatic or heteroaromatic group

R' = H or straight, branched or cyclic alkyl moiety
or aromatic or heteroaromatic moiety

carbonyl derivatives

Figure 4

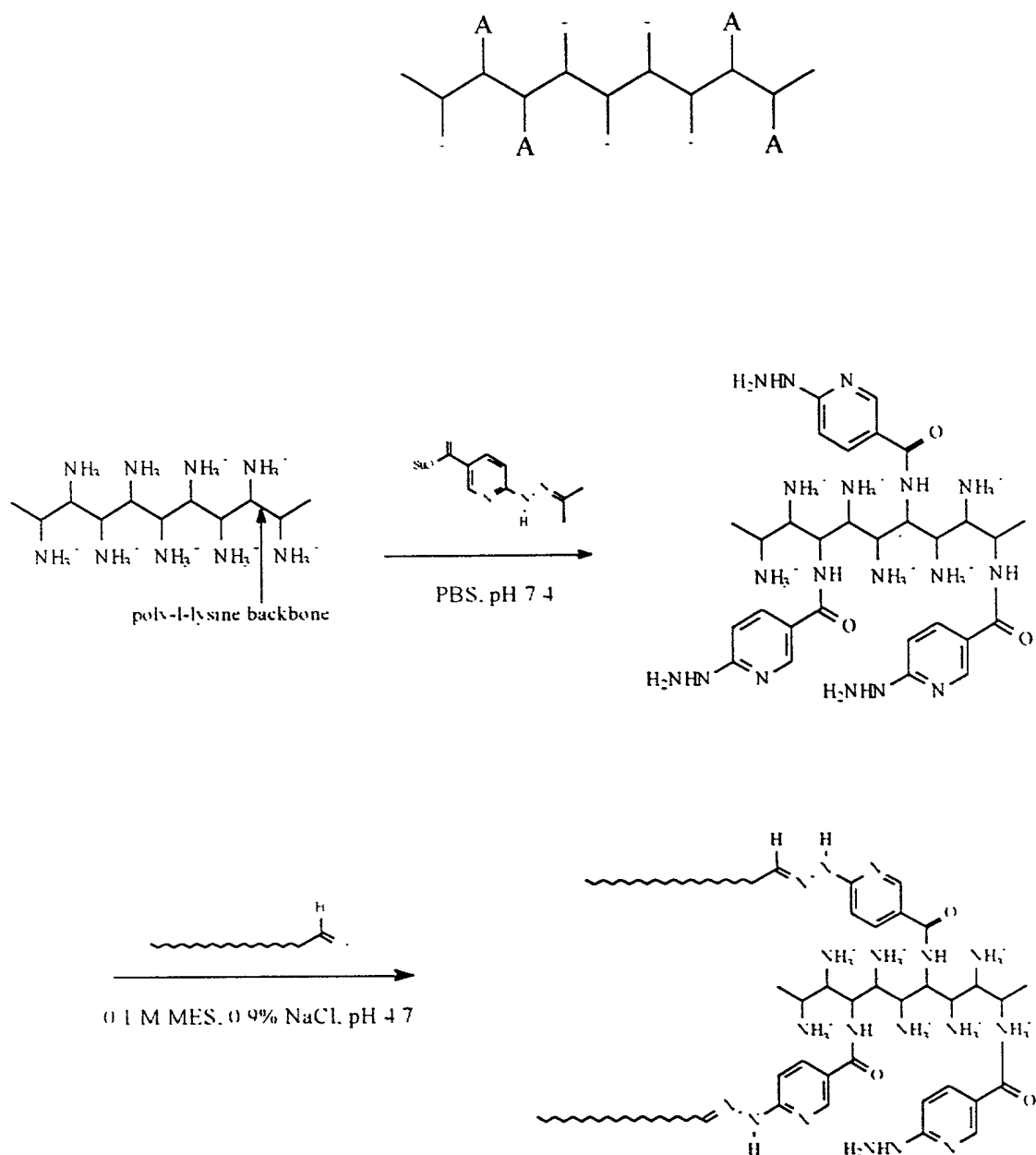


Figure 5

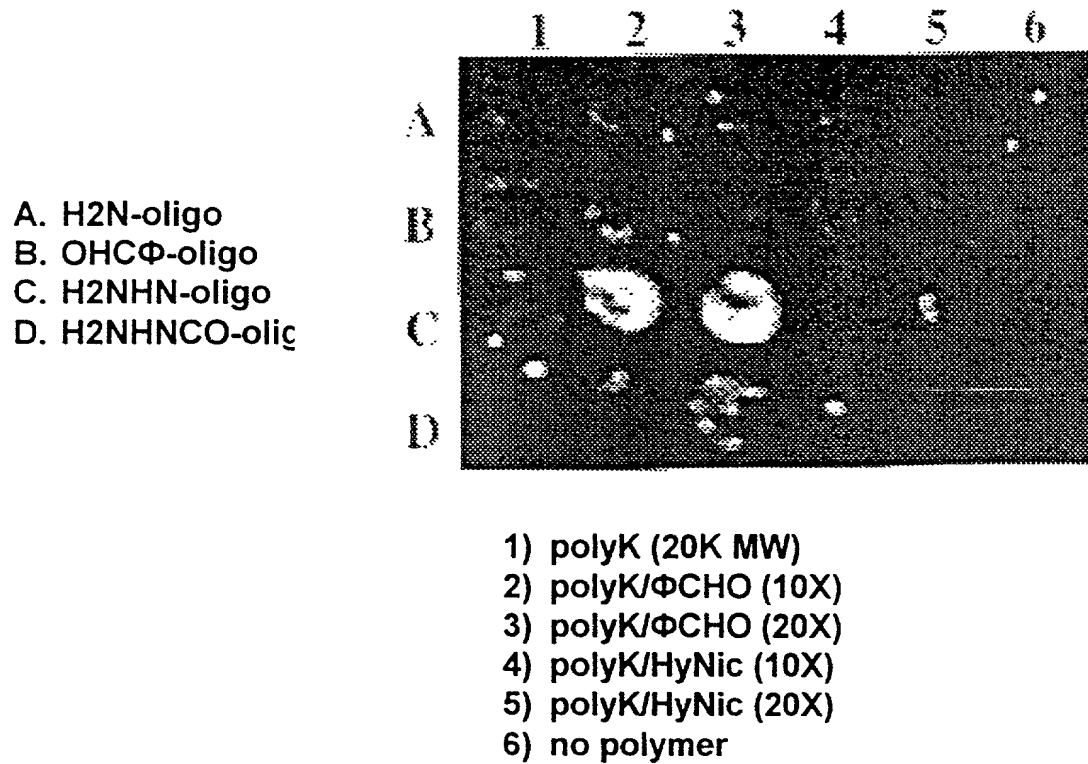
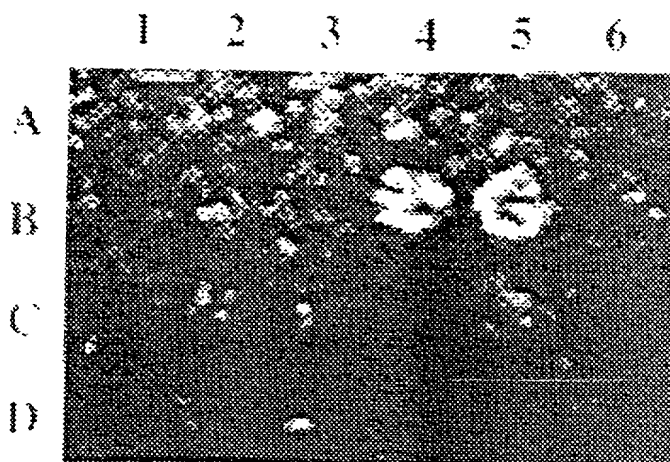


Figure X: Matrix experiment (see Example 2) demonstrating the covalent nature of the immobilization of a 5'-hydrazino oligo//sCHO/poly-l-lysine (polyK) conjugate on a amino modified glass slide following hybridization to its fluorescent complement

Figure 6

A. H₂N-oligo
 B. OHC-oligo
 C. H₂NHN-oligo
 D. H₂NHNCO-oligo



1) polyK (20K MW)
 2) polyK/sCHO (10X)
 3) polyK/sCHO (20X)
 4) polyK/HyNic (10X)
 5) polyK/HyNic (20X)
 6) no polymer

Figure 7

